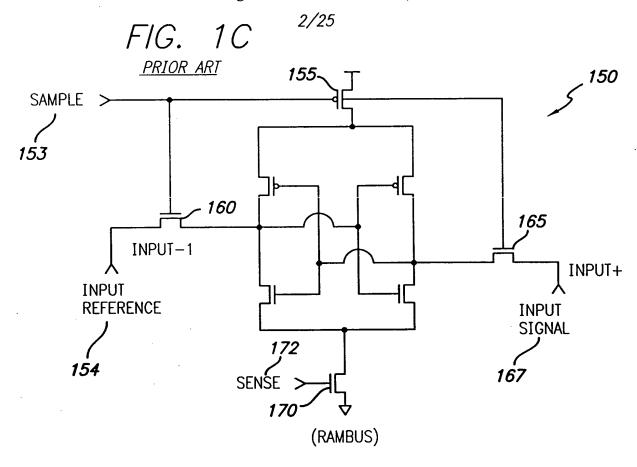
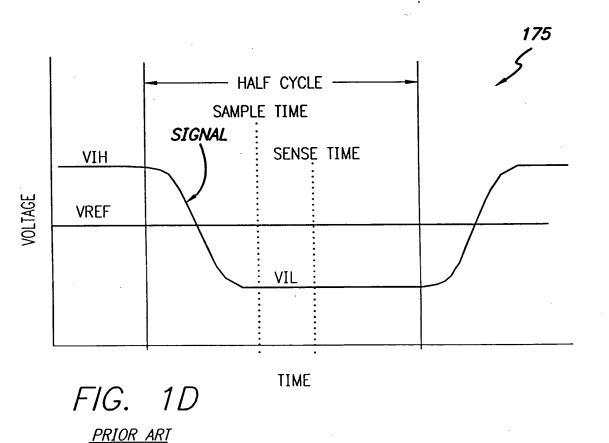


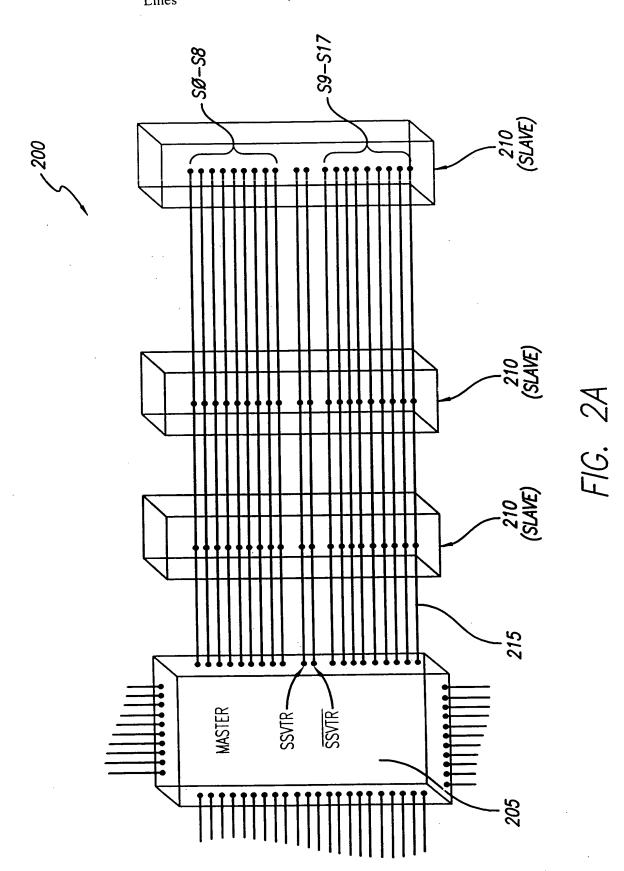
FIG. 1B

High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines

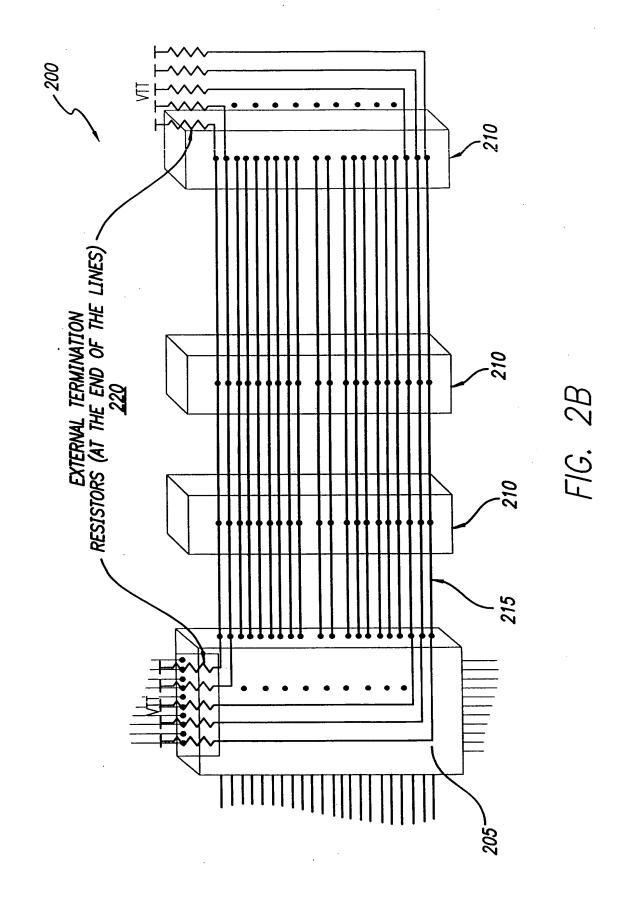




Ejaz Ul Haq
High Speed Source Sychronous Signaling For
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Lines 3/25

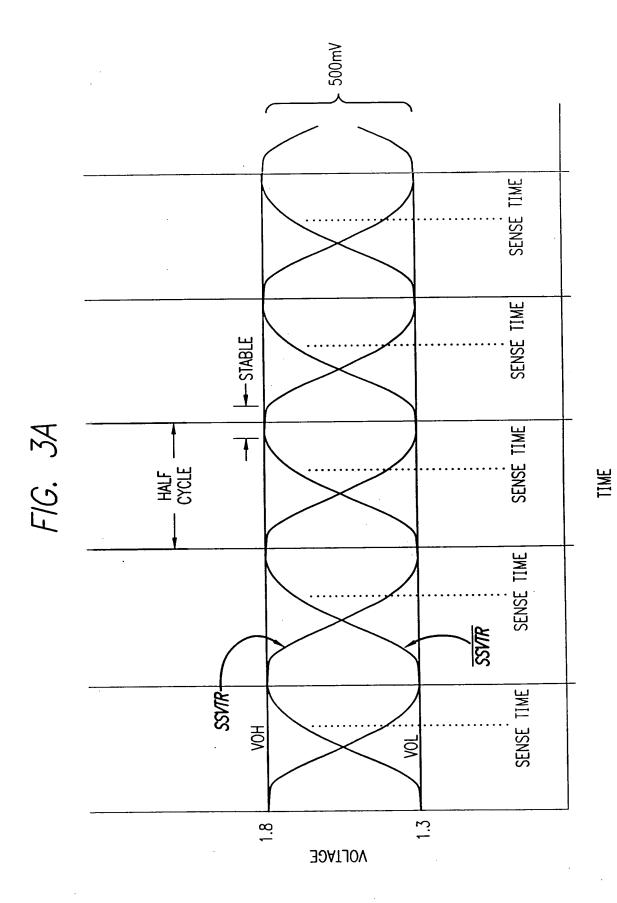


Ejaz Ul Haq High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines

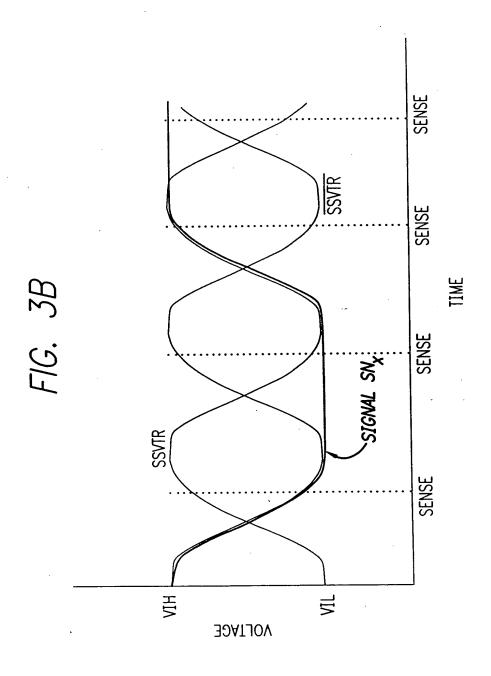


az Ul Haq Igh Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines



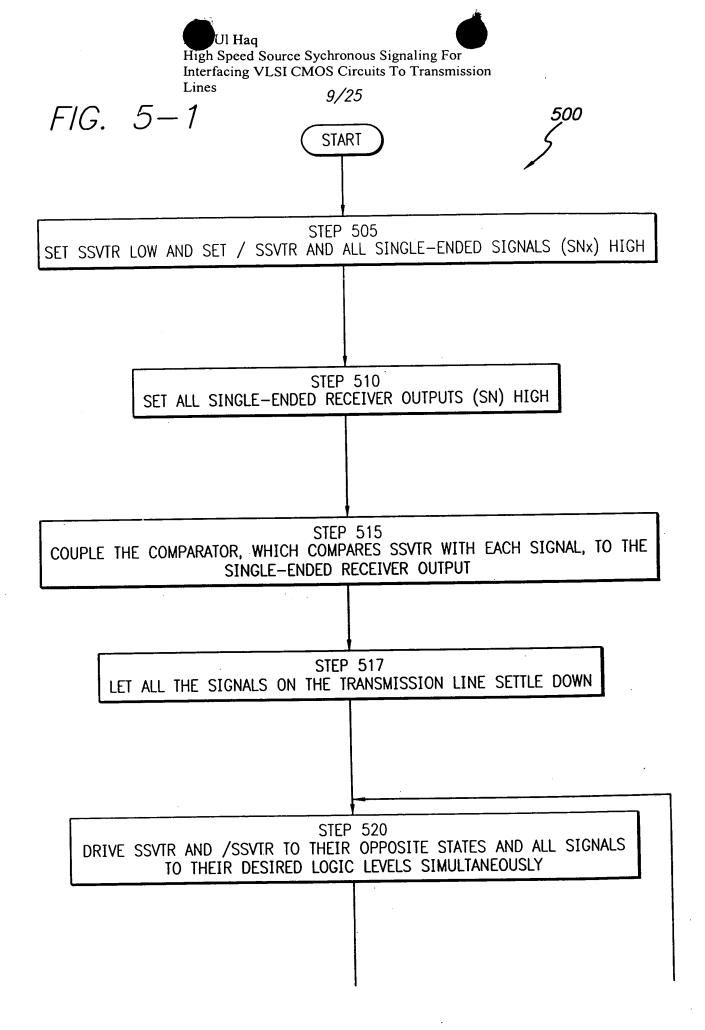


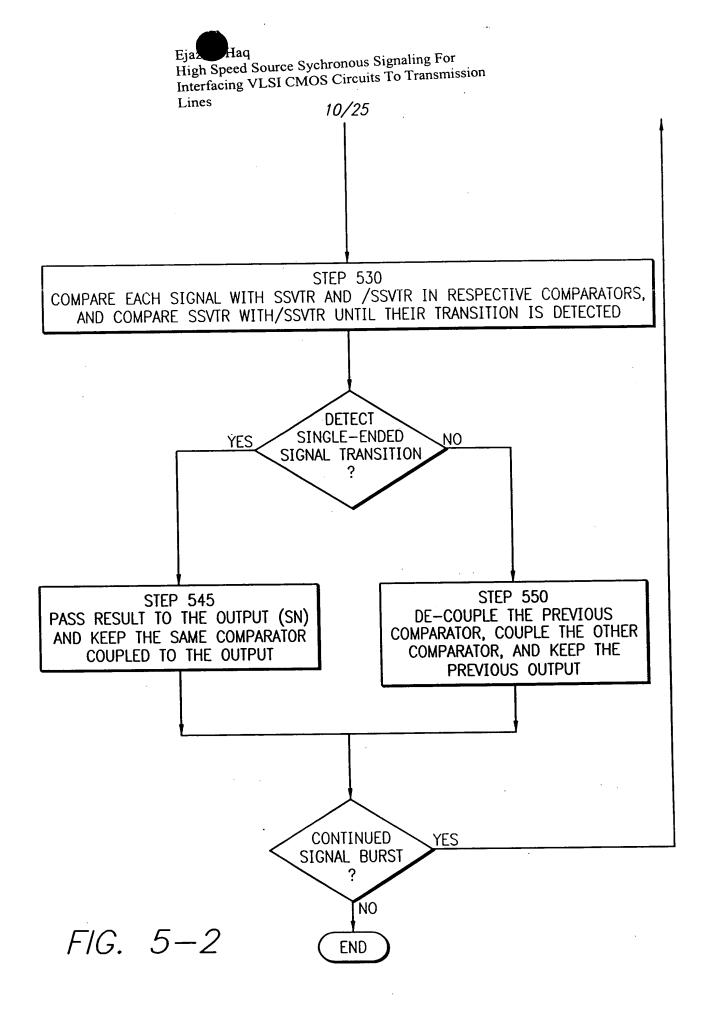
High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines 6/25



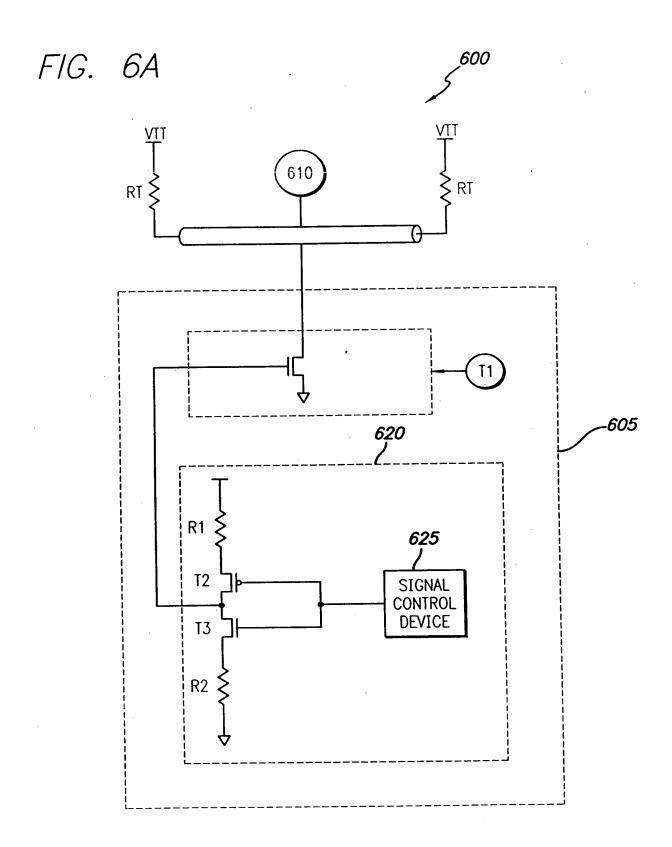
Ej Haq High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines 7/25 FIG. 4-1 420 ્ર XOR XOR XOR S1 T0 S7 430 4150 4100 SIGNALS FROM PADS SSVTR .

Ul Haq High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines 8/25 FIG. 4-2 ⋉ X Q R XOR XOR 440 S10 T0 S16 435b SSVTR -SSVIR -SSVIR -SSVTR SSVIR SVTR



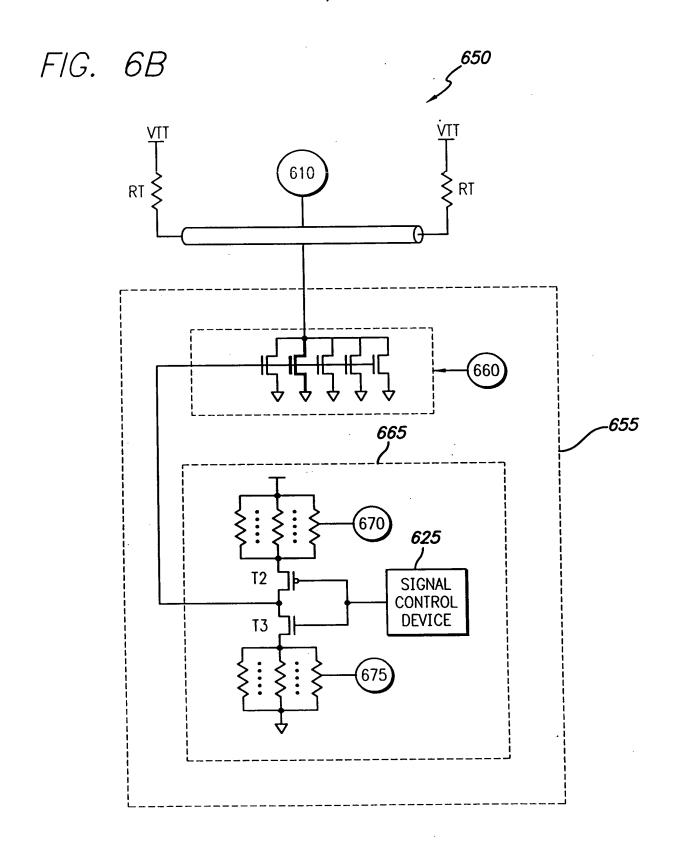


High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines 11/25

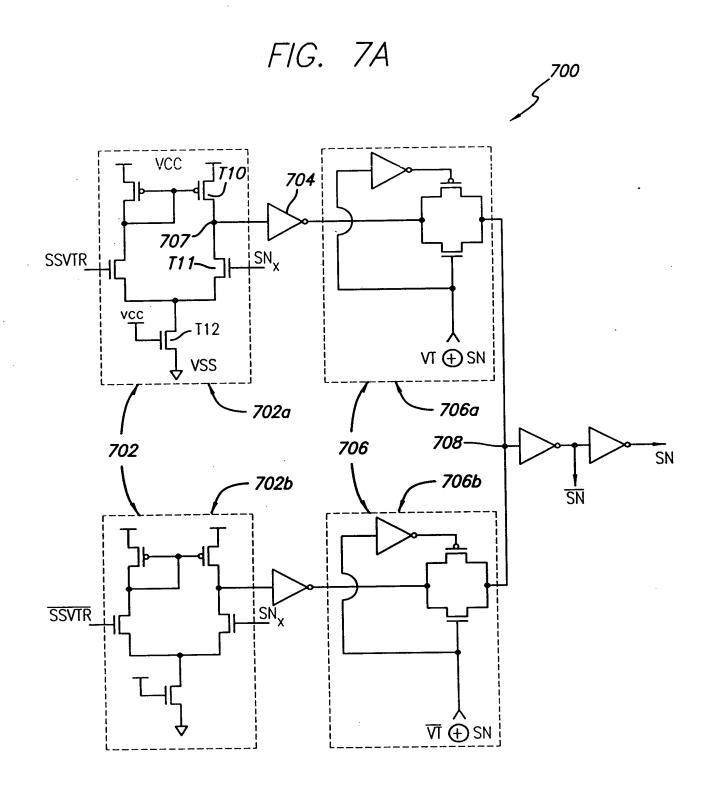


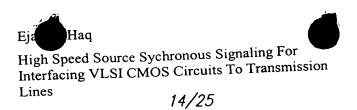
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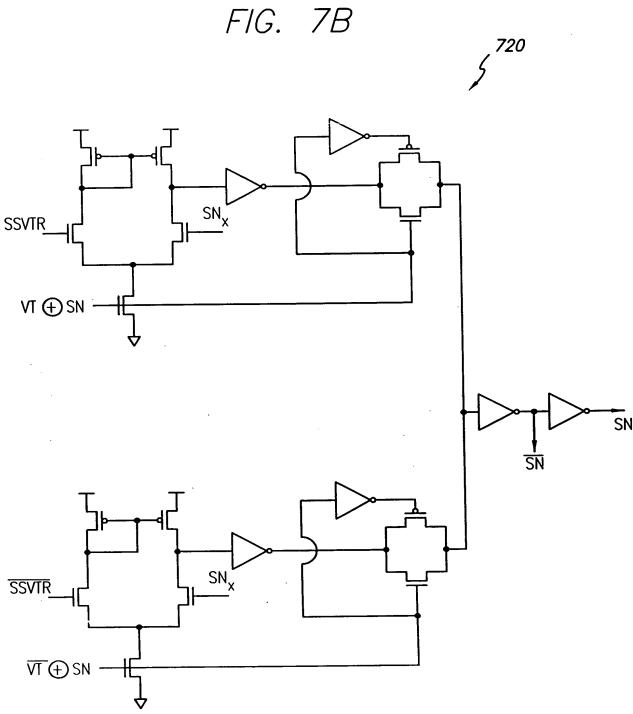
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Lines 13/25

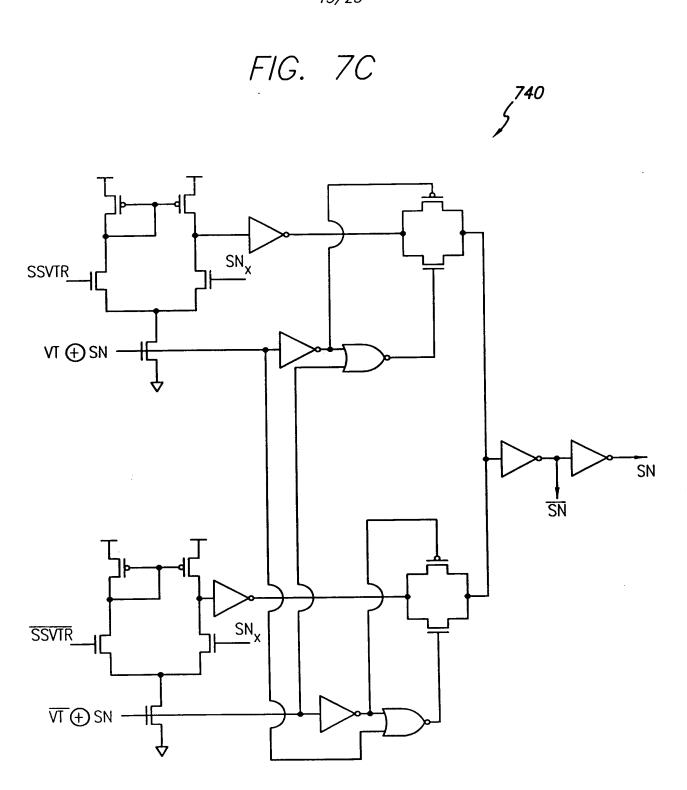






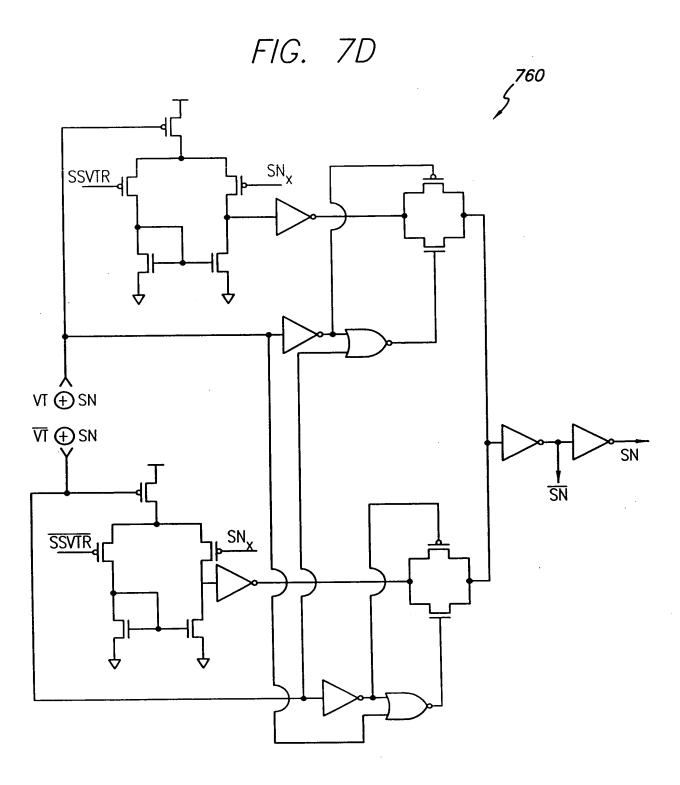
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High Speed Source Sychronous Signaling For
Interfacing VLSI CMOS Circuits To Transmission
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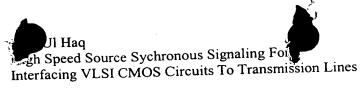
15/25



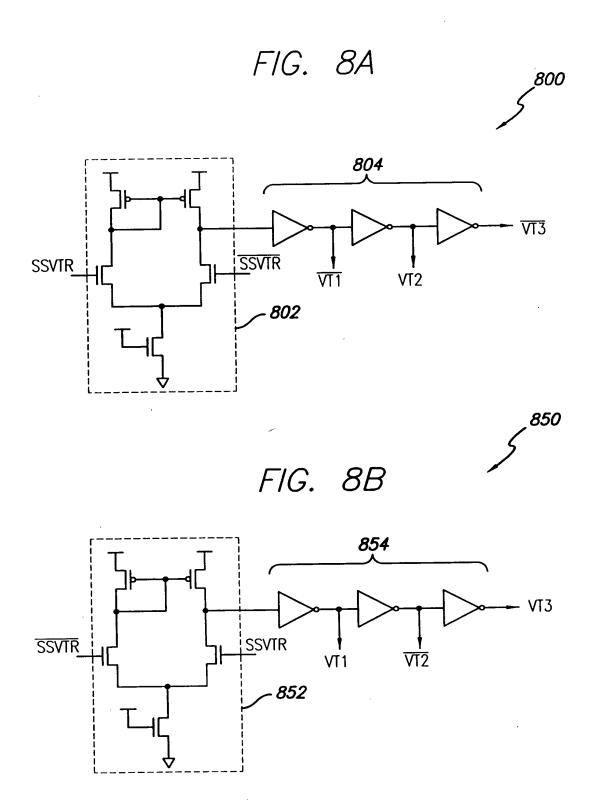


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High Speed Source Sychronous Signaling For
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Lines 16/25



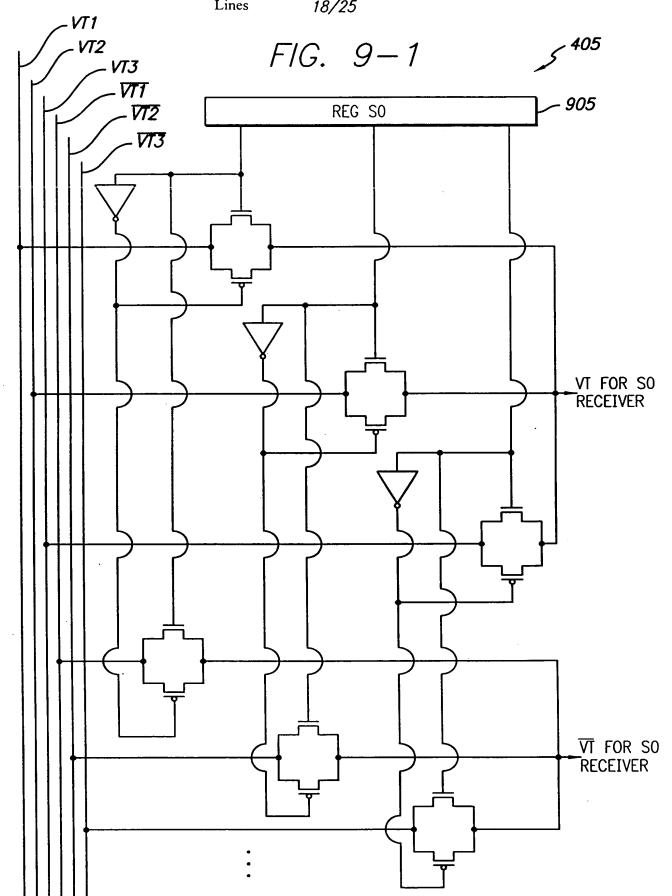


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High Speed Source Sychronous Signaling For
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Lines 18/25

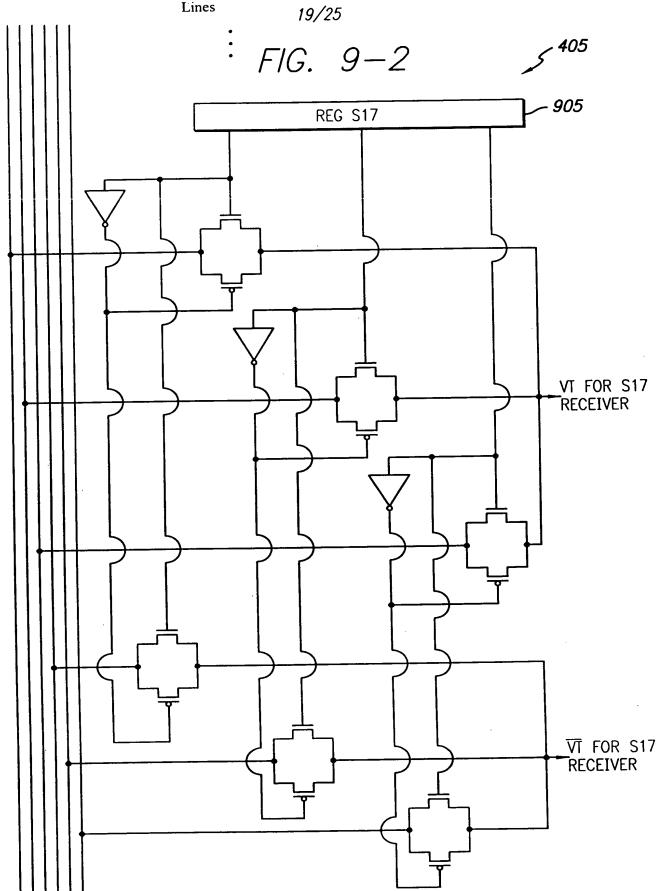


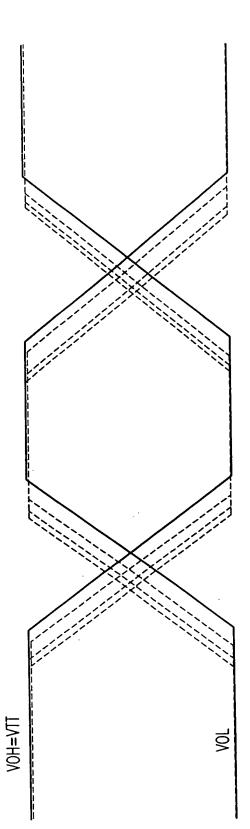
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High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission

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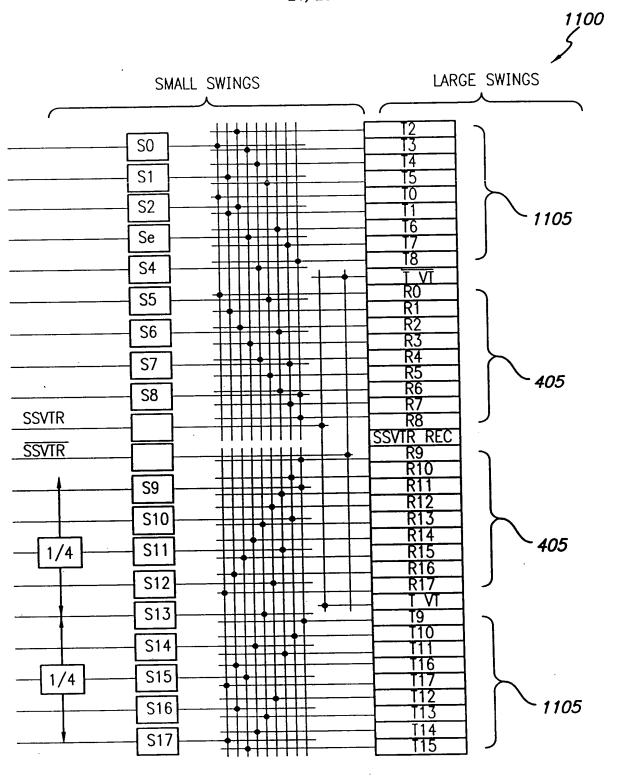




--- SSVTR AND SSVTR

---- SINGLE-ENDED SIGNAL

Ejaz Ule High Speed Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines 21/25



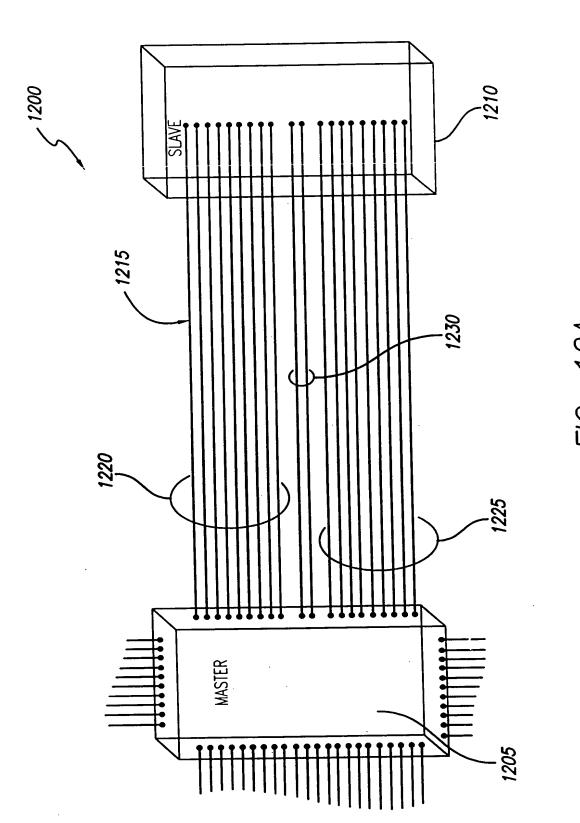
RO RECEIVER OF SIGNAL SO

TO TRANSMITTER OF SIGNAL SO

FIG. 11

Ejaz I q
High Speed Source Sychronous Signaling For
Interfacing VLSI CMOS Circuits To Transmission
Lines

22/25



F/G. 12A

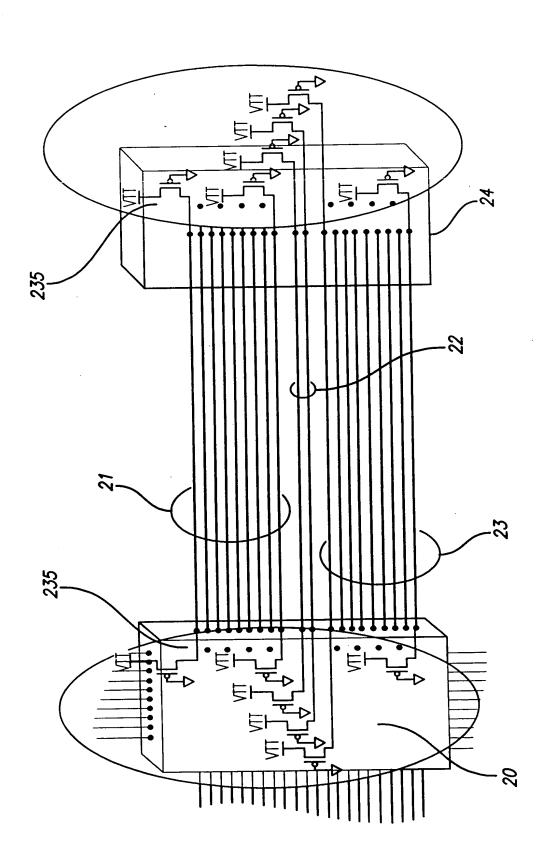
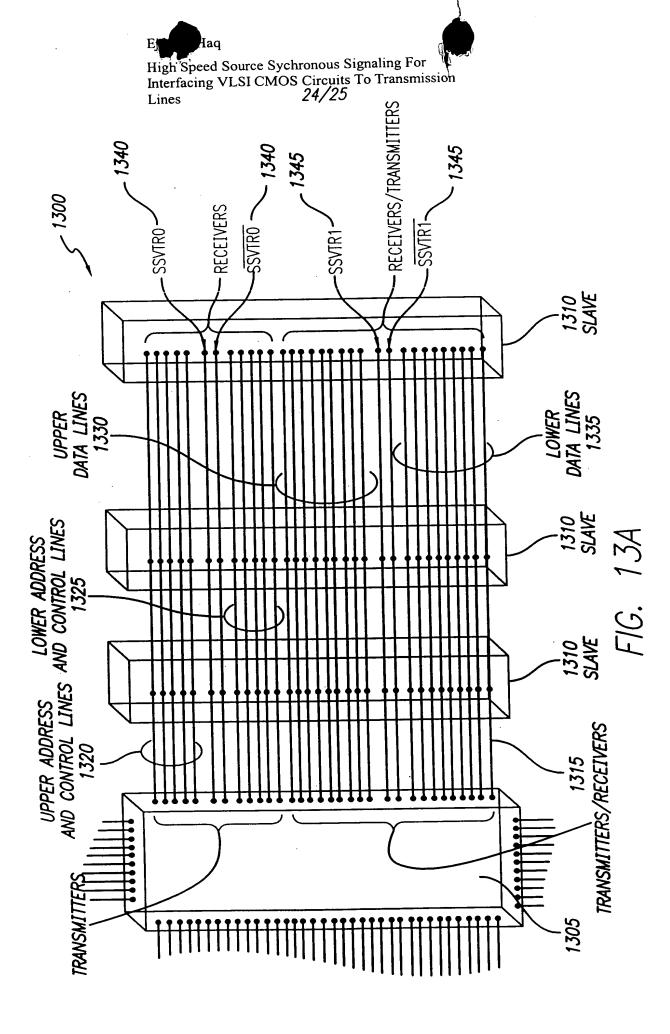


FIG. 12B



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High the d Source Sychronous Signaling For Interfacing VLSI CMOS Circuits To Transmission Lines

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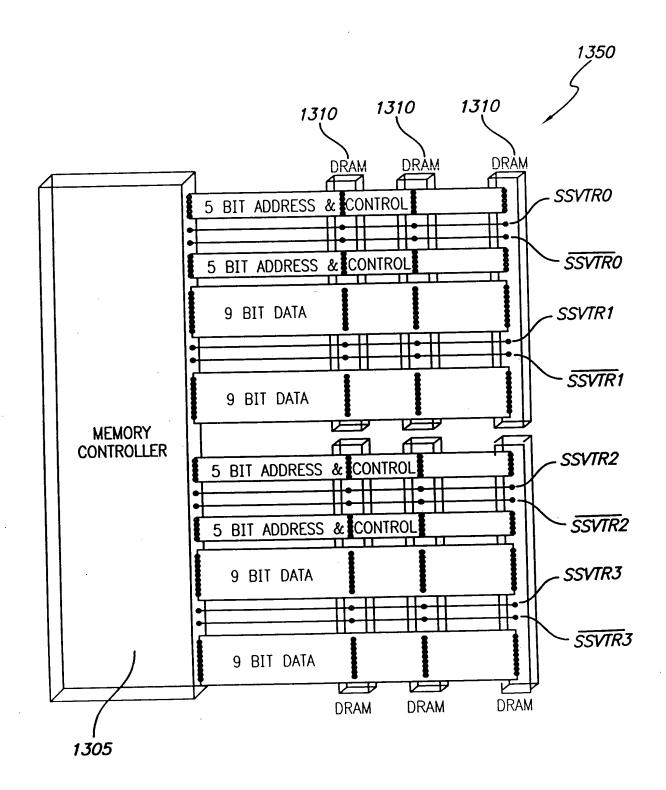


FIG. 13B